Human Calcium transporting ATPase type 2C member 1 (ATP2C1) ELISA Kit | ATP2C1 elisa kit

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CATALOG #	REACTIVITY
AAA244690	**Human**

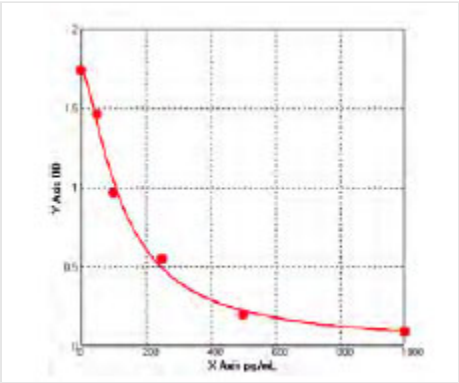
PRODUCT SYNONYMS

Calcium transporting ATPase type 2C member 1 (ATP2C1); Human Calcium transporting ATPase type 2C member 1 (ATP2C1) ELISA Kit; ATP2C1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP2C1 elisa kit	Intended Uses: This ATP2C1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATP2C1. This ELISA kit for research use only! Principle of the Assay: ATP2C1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATP2C1 antibody and an ATP2C1-HRP conjugate. The assay sample and buffer are incubated together with ATP2C1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ATP2C1 concentration since ATP2C1 from samples and ATP2C1-HRP conjugate compete for the anti-ATP2C1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATP2C1 from the sample, fewer sites are left to bind ATP2C1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATP2C1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ATP2C1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	312836769
NCBI GeneID	27032
NCBI Accession #	NP_001186111.1
NCBI GenBank Nucleotide #	NM_001199182.1
Molecular Weight	104,032 Da
NCBI Official Full Name	calcium-transporting ATPase type 2C member 1 isoform 2c
NCBI Official Synonym Full Names	ATPase, Ca++ transporting, type 2C, member 1
NCBI Official Symbol	ATP2C1
NCBI Official Synonym Symbols	HHD; BCPM; PMR1; SPCA1; hSPCA1; ATP2C1A
NCBI Protein Information	calcium-transporting ATPase type 2C member 1; HUSSY-28; ATPase 2C1; ATPase, Ca(2+)-sequestering; ATP-dependent Ca(2+) pump PMR1; secretory pathway Ca2+/Mn2+ ATPase 1
UniProt Protein Name	Calcium-transporting ATPase type 2C member 1
UniProt Gene Name	**ATP2C1**
UniProt Synonym Gene Names	KIAA1347; PMR1L; HUSSY-28; ATPase 2C1
UniProt Entry Name	AT2C1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/calcium-transporting-atpase-type-2c-member-1-atp2c1/244690